

#### IV. INTERSECTION SIGHT DISTANCES

- A. Check for intersection sight distances and compliance with the design requirements.
- B. Check for consideration of the numbers of buses and type and frequency of trucks entering and exiting the facility in determining sight distance needs.

#### V. AUXILIARY LANES

- A. Left-turn Lanes
  - 1. Check the need for and dimensions of a left-turn lane based on volume and traffic operations.
  - 2. Note that left-turn lanes are generally provided at median **crossovers**<sup>\*</sup>.
  - 3. Consider severe horizontal and/or vertical geometry, driver expectancy, accident experience, the effect of turning vehicles on through traffic, and observations.
- B. Right-turn Lanes
  - 1. Check the need for and dimensions of a right-turn lane.
  - 2. Consider severe horizontal and/or vertical geometry, driver expectancy, accident experience, the effect of turning vehicles on through traffic, and observations.
- C. Additional through lanes: Check the need for and dimensions of additional through lanes.

#### VI. PEDESTRIANS

- A. Estimate the volume of pedestrians and their needs.
- B. Review existing and proposed sidewalks and paths in the area and the need for sidewalks.

#### VII. SIGNALIZATION

- A. Verify that signalized intersections are studied as shown in the current Highway Capacity Manual.
- B. Determine if signals are required as warranted by the MUTCD.
- C. Review signal phasing and the need for certain phases such as protected and/or permissive phasing.

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\* Rev. 1/14